

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 28, 2004, 14:33:06 ; Search time 22 seconds
(without alignments)
661.751 Million cell updates/sec

Title: US-10-063-567-60
Perfect score: 1431
Sequence: 1 MASIGQLFMSIISIIIIIA.....SSFFAISWALPLSPYIMLK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep:*
5: /cgn2_6/prodata/2/1aa/POTUS_COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfillseq1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	1431	100.0	282	4	US-09-404-879A-393 Sequence 393, App
2	1431	100.0	309	4	US-09-404-879A-392 Sequence 392, App
3	246.5	17.2	316	4	US-09-910-174B-24 Sequence 24, Appl
4	246.5	17.2	316	4	US-09-910-174B-24 Sequence 24, Appl
5	245	17.1	340	4	US-09-651-200-2 Sequence 2, Appl
6	245	17.1	441	4	US-09-651-200-4 Sequence 4, Appl
7	245	17.1	534	4	US-09-651-200-6 Sequence 6, Appl
8	245	17.1	534	4	US-09-651-200-24 Sequence 24, Appl
9	238.5	16.7	315	4	US-09-910-174B-28 Sequence 28, Appl
10	238.5	16.7	315	4	US-09-910-174B-18 Sequence 18, Appl
11	223	15.6	513	4	US-09-620-461-18 Sequence 18, Appl
12	223	15.6	513	4	US-09-620-461-18 Sequence 18, Appl
13	217.5	15.2	540	2	US-08-724-394A-4 Sequence 4, Appl
14	215.5	15.1	731	4	US-09-910-174B-15 Sequence 15, Appl
15	215.5	15.1	731	4	US-09-910-174B-15 Sequence 15, Appl
16	213.5	14.9	584	4	US-09-620-461-16 Sequence 16, Appl
17	213.5	14.9	584	4	US-09-620-461-16 Sequence 16, Appl
18	212.5	14.8	610	2	US-08-724-394A-5 Sequence 5, Appl
19	211.5	14.8	526	4	US-09-910-174B-9 Sequence 9, Appl
20	211.5	14.8	526	4	US-09-910-174B-9 Sequence 9, Appl
21	211.5	14.8	526	4	US-09-910-174B-9 Sequence 9, Appl
22	207.5	14.5	319	4	US-08-724-394A-11 Sequence 11, Appl
23	207.5	14.5	319	4	US-09-910-174B-12 Sequence 12, Appl
24	207.5	14.5	342	2	US-08-724-394A-6 Sequence 6, Appl
25	207.5	14.5	357	4	US-09-910-174B-14 Sequence 14, Appl
26	207.5	14.5	357	4	US-09-910-174B-14 Sequence 14, Appl
27	204	14.3	230	4	US-09-620-461-19 Sequence 19, Appl

28	204	14.3	290	4	US-09-620-461-19	Sequence 19, Appl
29	204	14.3	350	4	US-09-651-200-25	Sequence 25, Appl
30	204	14.3	350	4	US-09-910-174B-17	Sequence 17, Appl
31	204	14.3	350	4	US-09-620-461-17	Sequence 17, Appl
32	199.5	13.9	290	4	US-09-910-174B-32	Sequence 32, Appl
33	196	13.7	296	4	US-09-667-135-36	Sequence 36, Appl
34	193	13.5	527	4	US-09-910-174B-10	Sequence 10, Appl
35	193	13.5	527	4	US-09-620-461-10	Sequence 10, Appl
36	192	13.4	329	4	US-09-620-461-13	Sequence 13, Appl
37	192	13.4	329	4	US-09-651-200-18	Sequence 18, Appl
38	188.5	13.2	290	4	US-09-910-174B-8	Sequence 8, Appl
39	188.5	13.2	290	4	US-09-620-461-8	Sequence 8, Appl
40	186	13.0	529	4	US-09-910-174B-13	Sequence 13, Appl
41	186	13.0	529	4	US-09-620-461-13	Sequence 13, Appl
42	186	13.0	581	2	US-08-724-394A-2	Sequence 2, Appl
43	179	12.5	523	4	US-09-910-174B-11	Sequence 11, Appl
44	179	12.5	523	4	US-09-620-461-11	Sequence 11, Appl
45	179	12.5	581	2	US-08-724-394A-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-404-879A-393
; Sequence 393, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 393
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-879A-393

Query Match 100.0%; Score 1431; DB 4; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASIGQLFMSIISIIIIAGALIIIGFGISGRHSITVTVASAGNIGDGILSCFEP 60
DB 1 MASIGQLFMSIISIIIIAGALIIIGFGISGRHSITVTVASAGNIGDGILSCFEP 60
QY 61 DIKLSDIYIQLKGVIGLVHFEKGEDELSEQDEMFRGTAVPADQVIGNLSLKNV 120
DB 61 DIKLSDIYIQLKGVIGLVHFEKGEDELSEQDEMFRGTAVPADQVIGNLSLKNV 120
QY 121 QLTAGTYKCYITISKKGANLEKKGAFSMPVNDVNASSETLACEAPRFPQTVV 180
DB 121 QLTAGTYKCYITISKKGANLEKKGAFSMPVNDVNASSETLACEAPRFPQTVV 180
QY 181 MASQDQANFSEVNTSFEIENSVMTKVSVLYNTINNTYSCMIENDIATGDIKV 240
DB 181 MASQDQANFSEVNTSFEIENSVMTKVSVLYNTINNTYSCMIENDIATGDIKV 240
QY 241 TESIERSHQLNLSKASLCVSSFFAISWALPLSPYIMLK 282
DB 241 TESIERSHQLNLSKASLCVSSFFAISWALPLSPYIMLK 282
RESULT 2
US-09-404-879A-392
; Sequence 392, Application US/09404879A
; Patent No. 6468546

Tue Jun 1 07:51:41 2004

us-10-063-567-60.ra1

Page 2

```

; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C2
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 392
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-879A-392

Query Match          100.0%; Score 1431; DB 4; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.2e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 MASLQILFWSIIIIIIIIAGAILIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60
DB 28 MASLQILFWSIIIIIIIIIIAGAILIGFISGRHSITVTVASAGNIGEDGILSCTFEP 87
QY 61 DIKLSDIYIOMLKEGVLGLVHEFEKQKDELSEODMEFRGRTAVPADQYIVGNASIRLKNV 120
DB 88 DIKLSDIYIOMLKEGVLGLVHEFEKQKDELSEODMEFRGRTAVPADQYIVGNASIRLKNV 147
QY 121 QLTDACTKCYITTSKGGKGNALLEYKTGAFSPMEVNVYNVNASSETLRCEAPRMPPOPTVY 180
DB 148 QLTDACTKCYITTSKGGKGNALLEYKTGAFSPMEVNVYNVNASSETLRCEAPRMPPOPTVY 207
QY 181 WASQVDQAGNFESEVNTSFEINSENVTKVSVLYNVTINNYSQMIENDIAKATGDIKV 240
DB 208 WASQVDQAGNFESEVNTSFEINSENVTKVSVLYNVTINNYSQMIENDIAKATGDIKV 267
QY 241 TSEIKRSHLOLNSKASLVCVSSFPALSMALLPSPLMK 282
DB 268 TSEIKRSHLOLNSKASLVCVSSFPALSMALLPSPLMK 309
```

```

RESULT 3
US-09-910-174B-24
; Sequence 24, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Frazer, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575e1 Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236324
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-910-174B-24

Query Match          17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;
```

```

QY 21 GAILIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDILSDIVICMLKEGVLG 78
DB 15 GAILIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDILSDIVICMLKEGVLG 74
```

```

QY 79 LVHEFEKQKDELSEODMEFRGRTAVPADQYIVGNASIRLKNVQLTDAGYKCYITTSKRG 138
DB 75 LVHSPABEGD---QSAVANRTALFPDLAQNMSLRQRVRVADDEGSFTCF-VSIRDF 129
QY 139 GNNLEKYTGA-FSPMEVNVYN-----ASSETLRCEAPRMPPOPTVYVWASQVDQAGNFS 192
DB 130 GSAVAVSLQVAAPKSKSMTLEPRKDLRPEDTYITTCSSYRGYPEAEVFW--QDGGQVPLT 187
QY 193 EVNTSFEINSENVTKVSVLYNVT-INNTYSQMIENDIAK--ATGDIKVT 241
DB 188 GNVYTS-QVANEGGLFVHSVLRVVGANGTSCVLRNVLQODAHGSVYIT 238
```

```

RESULT 4
US-09-620-461-24
; Sequence 24, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Frazer, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750e1 Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 5800-149
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-620-461-24

Query Match          17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;
```

```

QY 21 GAILIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDILSDIVICMLKEGVLG 78
DB 15 GAILIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDILSDIVICMLKEGVLG 74
QY 79 LVHEFEKQKDELSEODMEFRGRTAVPADQYIVGNASIRLKNVQLTDAGYKCYITTSKRG 138
DB 75 LVHSPABEGD---QSAVANRTALFPDLAQNMSLRQRVRVADDEGSFTCF-VSIRDF 129
QY 139 GNNLEKYTGA-FSPMEVNVYN-----ASSETLRCEAPRMPPOPTVYVWASQVDQAGNFS 192
DB 130 GSAVAVSLQVAAPKSKSMTLEPRKDLRPEDTYITTCSSYRGYPEAEVFW--QDGGQVPLT 187
QY 193 EVNTSFEINSENVTKVSVLYNVT-INNTYSQMIENDIAK--ATGDIKVT 241
DB 188 GNVYTS-QVANEGGLFVHSVLRVVGANGTSCVLRNVLQODAHGSVYIT 238
```

```

RESULT 5
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
```

Tue Jun 1 07:51:42 2004

us-10-063-567-60.rnpb

Page 1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Comugen Ltd.

OM protein - nucleic search, using frame_plus.p2n model

Run on: May 30, 2004, 02:13:55 ; Search time 420 Seconds
(Without alignments)
3054.266 Million cell updates/sec

Title: US-10-063-567-60
Sequence: 1 MASLQILFWISITISIIILIA.....SSPFAISWALPLPYIMLK 282

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Delop 6.0 , Delext 7.0

Searched: 2960401 segs, 2274450654 residues
Total number of hits satisfying chosen parameters: 5920802

Minimum DB seg length: 0
Maximum DB seg length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Command line parameters:
-MODEL=frame+ p2n.model -DEV=xip
-US/cgm2_1/USPTO.spool.p/US10063567/runat 28052004.132954.2021/app query.fasta_1.455
-DB=Published Applications NA -OPMT=fastad -SUFFIX=rmb -BINMATCH=0.1
-LOPCL=0 -UNIT=bits -START=1 -END=1 -MATRIX=blosum62
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=200000000 -USER=US10063567@cgm2_1.1.723/runat 28052004.132954.2021
-NCPU=6 -ICPU=3 -NO_MMAP -LARGQUERY -NEG_SCORES=0 -MAIT -DSBLOCL=100
-LOGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA:
1: /cgm2_6/prodata/1/pubpna/US07_PUBCOMB.seq:
2: /cgm2_6/prodata/1/pubpna/PCR_NEW_PUB.seq:
3: /cgm2_6/prodata/1/pubpna/US06_NEW_PUB.seq:
4: /cgm2_6/prodata/1/pubpna/US06_PUBCOMB.seq:
5: /cgm2_6/prodata/1/pubpna/US07_NEW_PUB.seq:
6: /cgm2_6/prodata/1/pubpna/PCRUS_PUBCOMB.seq:
7: /cgm2_6/prodata/1/pubpna/US08_NEW_PUB.seq:
8: /cgm2_6/prodata/1/pubpna/US08_PUBCOMB.seq:
9: /cgm2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:
10: /cgm2_6/prodata/1/pubpna/US09C_PUBCOMB.seq:
11: /cgm2_6/prodata/1/pubpna/US09C_NEW_PUB.seq:
12: /cgm2_6/prodata/1/pubpna/US09C_PUBCOMB.seq:
13: /cgm2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:
14: /cgm2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:
15: /cgm2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:
16: /cgm2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:
17: /cgm2_6/prodata/1/pubpna/US10_NEW_PUB.seq:
18: /cgm2_6/prodata/1/pubpna/US60_NEW_PUB.seq:
19: /cgm2_6/prodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1	1431	100.0	849	9	US-09-915-789A-6	Sequence 6, Appl
2	1431	100.0	1065	9	US-09-877-065-5	Sequence 5, Appl
3	1431	100.0	1658	9	US-09-989-722-290	Sequence 290, App
4	1431	100.0	1658	9	US-09-989-723-290	Sequence 290, App
5	1431	100.0	1658	9	US-09-989-279-290	Sequence 290, App
6	1431	100.0	1658	9	US-09-989-727-290	Sequence 290, App
7	1431	100.0	1658	9	US-09-989-731-290	Sequence 290, App
8	1431	100.0	1658	9	US-09-989-732-290	Sequence 290, App
9	1431	100.0	1658	9	US-09-991-073-290	Sequence 290, App
10	1431	100.0	1658	9	US-09-990-442-290	Sequence 290, App
11	1431	100.0	1658	9	US-09-981-163-290	Sequence 290, App
12	1431	100.0	1658	9	US-09-993-604-290	Sequence 290, App
13	1431	100.0	1658	9	US-09-990-456-290	Sequence 290, App
14	1431	100.0	1658	9	US-09-989-721-290	Sequence 290, App
15	1431	100.0	1658	9	US-09-992-598-290	Sequence 290, App
16	1431	100.0	1658	9	US-09-989-293A-290	Sequence 290, App
17	1431	100.0	1658	9	US-09-989-735-290	Sequence 290, App
18	1431	100.0	1658	9	US-09-990-444-290	Sequence 290, App
19	1431	100.0	1658	9	US-09-991-181-290	Sequence 290, App
20	1431	100.0	1658	9	US-09-989-730-290	Sequence 290, App
21	1431	100.0	1658	9	US-09-990-436-290	Sequence 290, App
22	1431	100.0	1658	9	US-09-993-687-290	Sequence 290, App
23	1431	100.0	1658	10	US-09-989-734-290	Sequence 290, App
24	1431	100.0	1658	10	US-09-997-653-290	Sequence 290, App
25	1431	100.0	1658	10	US-09-993-667-290	Sequence 290, App
26	1431	100.0	1658	10	US-09-997-428-290	Sequence 290, App
27	1431	100.0	1658	10	US-09-997-666-290	Sequence 290, App
28	1431	100.0	1658	10	US-09-990-438-290	Sequence 290, App
29	1431	100.0	1658	10	US-09-990-562-290	Sequence 290, App
30	1431	100.0	1658	10	US-09-980-711-290	Sequence 290, App
31	1431	100.0	1658	10	US-09-989-726-290	Sequence 290, App
32	1431	100.0	1658	10	US-09-998-156-290	Sequence 290, App
33	1431	100.0	1658	10	US-09-990-437-290	Sequence 290, App
34	1431	100.0	1658	10	US-09-991-157-290	Sequence 290, App
35	1431	100.0	1658	10	US-09-997-514-290	Sequence 290, App
36	1431	100.0	1658	10	US-09-997-573-290	Sequence 290, App
37	1431	100.0	1658	10	US-09-991-172-290	Sequence 290, App
38	1431	100.0	1658	10	US-09-990-726-290	Sequence 290, App
39	1431	100.0	1658	10	US-09-997-559-290	Sequence 290, App
40	1431	100.0	1658	10	US-09-997-601-290	Sequence 290, App
41	1431	100.0	1658	10	US-09-990-443-290	Sequence 290, App
42	1431	100.0	1658	10	US-09-992-769-4	Sequence 4, Appl
43	1431	100.0	1658	10	US-09-991-854-290	Sequence 290, App
44	1431	100.0	1658	10	US-09-997-628-290	Sequence 290, App
45	1431	100.0	1658	10	US-09-997-683-290	Sequence 290, App

ALIGNMENTS

RESULT 1
US-09-915-789A-6
Sequence 6, Application US/09915789A
Patent No. US20020168762A1
GENERAL INFORMATION:
APPLICANT: Chen, Lieping
TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
TITLE OF INVENTION: MOLECULES
FILE REFERENCE: 07039-219001
CURRENT APPLICATION NUMBER: US/09/915,789A
CURRENT FILING DATE: 2002-06-04
PRIOR APPLICATION NUMBER: US 60/220,991
PRIOR FILING DATE: 2000-07-27
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 849
TYPE: DNA
ORGANISM: Homo sapiens
US-09-915-789A-6

Alignment Scores: 1.7e-172 Length: 849
Pred. No.:

Tue Jun 1 07:51:42 2004

us-10-063-567-60.rnpb

Page 2

Score: 1431.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 9
Matches: 282
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

US-10-063-567-60 (1-282) x US-09-915-789A-6 (1-849)

1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
1 AUGGCTTCCTGGGCGAGATCCCTCTTGAGGATATAGCATCATATATCTGGCT 60
21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
61 GGAGCAATTCATCATCTGCTTGGCTTGGATTCAGGAGACATCCCATCAGCTCACT 120
41 ThrValAlaSerAlaGlyValSerIleGlyIleLeuSerGlyThrPheGluPro 60
121 ACTGTCGCTCAGCTGGAGACATTCGGAGGAGATGAGATCCTGAGCTGCACTTTGAACCT 180
61 AspIleIleLeuSerAlaIleValIleGlnTrpLeuGlyGlnIleValLeuGlyLeuVal 80
181 GACATCAAACTTCTGATATCGATACATGCTGAGAGAGAGTGTGTTAGGCTTGTC 240
81 HisGluPheLeuGlyGlnIleLeuSerGlyIleLeuSerGlyIleLeuSerGlyIleVal 100
241 CATGAGTTCAG 300
101 ThrValAlaPheAlaAspGlnValIleValIleGlyValSerLeuArgLeuVal 120
301 AAGGCTTCCTGGGCGAGATCCCTCTTGAGGATATAGCATCATATATCTGGCT 360
121 GlnLeuThrAspAlaGlyThrIleValIleGlnTrpLeuGlyGlnIleValLeuGlyLeuVal 140
361 CAATCAAACTTCTGATATCGATACATGCTGAGAGAGAGTGTGTTAGGCTTGTC 420
141 AlaAsnLeuGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 160
421 GCTAATCTGATATATAG 480
161 AlaSerSerGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 180
481 GCCGCTCAG 540
181 ThrAlaSerGlnValIleAspGlnValIleAsnPheSerGlyIleValLeuGlyLeuVal 200
541 TGGGCAATCCCAAG 600
201 LeuAsnSerGlnValIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 220
601 CTGAATCTGATATATAG 660
221 AsnThrIleSerGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 240
661 AAGCAATCTGATATATAG 720
241 ThrGlnSerGlnIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 260
721 AAGCAATCTGATATATAG 780
261 CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProIleLeuMet 280
781 TGTGCT 840
281 LeuIleVal 282
841 CTAAATA 846

US-09-877-065-5
Sequence 5, Application US/09877065
Patent No. US20020051990A1
GENERAL INFORMATION:

APPLICANT: OPLE, ERIC
APPLICANT: MCILACHIAN, KAREN
APPLICANT: HEARD, CHERIL J.
TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THEREFOR
FILE REFERENCE: 037003-0280631
CURRENT APPLICATION NUMBER: US/09/877,065
PRIORITY FILING DATE: 2001-06-11
PRIORITY FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 1065
TYPE: DNA
ORGANISM: Homo sapiens
US-09-877-065-5
Alignment Scores:
Pred. No.: 2,46e-172
Score: 1431.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 9
Length: 1065
Matches: 282
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

US-10-063-567-60 (1-282) x US-09-877-065-5 (1-1065)

1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
72 AUGGCTTCCTGGGCGAGATCCCTCTTGAGGATATAGCATCATATATCTGGCT 131
21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
132 GGAGCAATTCATCATCTGCTTGGCTTGGATTCAGGAGACATCCCATCAGCTCACT 191
41 ThrValAlaSerAlaGlyValSerIleGlyIleLeuSerGlyThrPheGluPro 60
192 ACTGTCGCTCAGCTGGAGACATTCGGAGGAGATGAGATCCTGAGCTGCACTTTGAACCT 251
122 GlnLeuThrAspAlaGlyThrIleValIleGlnTrpLeuGlyGlnIleValLeuGlyLeuVal 140
41 ThrValAlaSerAlaGlyValSerIleGlyIleLeuSerGlyThrPheGluPro 60
192 ACTGTCGCTCAGCTGGAGACATTCGGAGGAGATGAGATCCTGAGCTGCACTTTGAACCT 251
61 AspIleIleLeuSerAlaIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 80
252 GACATCAAACTTCTGATATCGATACATGCTGAGAGAGAGTGTGTTAGGCTTGTC 311
81 HisGluPheLeuGlyGlnIleLeuSerGlyIleLeuSerGlyIleValLeuGlyLeuVal 100
312 CATGAGTTCAG 371
101 ThrValAlaPheAlaAspGlnValIleValIleGlyValSerLeuArgLeuVal 120
372 AAGGCTTCCTGGGCGAGATCCCTCTTGAGGATATAGCATCATATATCTGGCT 431
121 GlnLeuThrAspAlaGlyThrIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 140
432 CAATCAAACTTCTGATATCGATACATGCTGAGAGAGAGTGTGTTAGGCTTGTC 491
141 AlaAsnLeuGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 160
492 GCTAATCTGATATATAG 551
161 AlaSerSerGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 180
552 GCCAGCTCAG 611
181 ThrAlaSerGlnValIleAspGlnValIleAsnPheSerGlyIleValLeuGlyLeuVal 200
612 TGGGCAATCCCAAG 671
201 LeuAsnSerGlnValIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 220
672 CTGAATCTGATATATAG 731
221 AsnThrIleSerGlyIleValIleGlnTrpLeuGlyIleLeuSerGlyIleValLeuGlyLeuVal 240

us-10-063-567-60.knpb

PRIOR APPLICATION NUMBER:	60/087759
PRIOR FILING DATE:	1998-06-02
PRIOR APPLICATION NUMBER:	60/087827
PRIOR FILING DATE:	1998-06-03
PRIOR APPLICATION NUMBER:	60/088021
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088025
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088026
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088028
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088029
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088030
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088033
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088326
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/088167
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/088202
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/088212
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/088217
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/088655
PRIOR FILING DATE:	1998-06-09
PRIOR APPLICATION NUMBER:	60/088734
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088738
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088742
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088810
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088824
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088826
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/088858
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/088861
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/088876
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/089105
PRIOR FILING DATE:	1998-06-12
PRIOR APPLICATION NUMBER:	60/089440
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089512
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089514
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089522
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089538
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089539
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089599
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089600
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089653
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089801
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089907
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089908
PRIOR FILING DATE:	1998-06-18

QY	1	GGAGGACACGGGCACTCCACTCACTCAACCAAGTACCAGATACGCTGGAACTCTTCCCAAGC	6
Db	23	GGAGGCAACGGGCAAGTCCACTCACTCAACCAAGTACCAGATACGCTGGAACTCTTCCCAAGC	82
QY	61	ATGGCTCCCTGGGGGAGATCTCTCTTGGAGCATTAATTACATCAATTAATCTGGCT	122
Db	83	ATGGCTCCCTGGGGGAGATCTCTCTTGGAGCATTAATTACATCAATTAATCTGGCT	144
QY	121	GGAGCAATTGCACTCATCATTTGGCTTTGGTATTTTCAGGAGACATCTCATCAAGTCACT	182
Db	143	GGAGCAATTGCACTCATCATTTGGCTTTGGTATTTTCAGGAGACATCTCATCAAGTCACT	202
QY	181	ACTGTGCGCTCAAGCTGGGGAACAATTGGGGAGATGGAAATCCGACCTGCACCTTTGAACCT	242
Db	203	ACTGTGCGCTCAAGCTGGGGAACAATTGGGGAGATGGAAATCCGACCTGCACCTTTGAACCT	262
QY	241	GACATCAAACTTTTGTGATATCGTGAATACAAATGGCTGAAGAGGTGTTTAAAGCTTGCT	300
Db	263	GACATCAAACTTTTGTGATATCGTGAATACAAATGGCTGAAGAGGTGTTTAAAGCTTGCT	322
QY	301	CATTGATTCAAGAAAGGCAAAGATAGCTGTCCGAGCAGATGAAATGTTCAAGAGGCGG	360
Db	323	CATTGATTCAAGAAAGGCAAAGATAGCTGTGTCCGAGCAGATGAAATGTTCAAGAGGCGG	382
QY	361	ACAGCAGTGTTCGTGATCAAGTAGATTTGGCAATGCTCTTTGCGGCTGAAAAACGTG	420

Db 383 ACAGCAGTGTTCATATCAAGTAGATGGCAAGCTCTTGGGCTGAAAAACGTG 442
QY 421 CAACTCAGAGATGCTGGCACTTCAAAATGTTATATCATCTTCAAGAGAGAGGAT 480
Db 443 CAACTCAGAGATGCTGGCACTTCAAAATGTTATATCATCTTCAAGAGAGAGGAT 502
QY 481 GCTAACCTTGAATATTAATCTGAGAGCTTCAAGAGAGAGGATGATATAT 540
Db 503 GCTAACCTTGAATATTAATCTGAGAGCTTCAAGAGAGAGGATGATATAT 562
QY 541 GCAGCTCAGAGAGCTTGGAGTGTAGAGCTCCCGATGGTCCCGAGCCCAAGTGTG 600
Db 563 GCAGCTCAGAGAGCTTGGAGTGTAGAGCTCCCGATGGTCCCGAGCCCAAGTGTG 622
QY 601 TGGGCACTCCCAAGTTGACAGGAGGCACTTCTCGAAGTCTCAATACAGCTTTGAG 660
Db 623 TGGGCACTCCCAAGTTGACAGGAGGCACTTCTCGAAGTCTCAATACAGCTTTGAG 682
QY 661 CTGAACCTCAGAGATGATCAATGAAAGTGTGTCTGTCTCAATGATGATCAAC 720
Db 683 CTGAACCTCAGAGATGATCAATGAAAGTGTGTCTGTCTCAATGATGATCAAC 742
QY 721 AACACATCTCTGTATGATGATGAAATGACATTTGCAAGCAAGAGGAGATCAAGT 780
Db 743 AACACATCTCTGTATGATGATGAAATGACATTTGCAAGCAAGAGGAGATCAAGT 802
QY 781 ACAGATGAGAGATCAAAAGCGAGTCACTTCAAGCTGCTAACTCAAGGCTTCTGTG 840
Db 803 ACAGATGAGAGATCAAAAGCGAGTCACTTCAAGCTGCTAACTCAAGGCTTCTGTG 862
QY 841 TGTGCTCTCTTCTTGGCCATGAGCTGGGCACTTGGCCCTTCAAGCCCTTACTGTAG 900
Db 863 TGTGCTCTCTTCTTGGCCATGAGCTGGGCACTTGGCCCTTCAAGCCCTTACTGTAG 922
QY 901 CTAAATATATGTGCTTGGGCACAAAAGAGTCAAGTATGTTTCAACAGGAGTCT 960
Db 923 CTAAATATATGTGCTTGGGCACAAAAGAGTCAAGTATGTTTCAACAGGAGTCT 982
QY 961 ACAGATGAGAGATCAAAAGCGAGTCACTTCAAGCTGCTAACTCAAGGCTTCTGTG 1020
Db 983 ACAGATGAGAGATCAAAAGCGAGTCACTTCAAGCTGCTAACTCAAGGCTTCTGTG 1042
QY 1021 ATATCTAGAGTGTGAGTGAAGCAAGAGCAAGAGCAAAAGAGAGAGAGAGAGAG 1080
Db 1043 ATATCTAGAGTGTGAGTGAAGCAAGAGCAAGAGCAAAAGAGAGAGAGAGAGAG 1102
QY 1081 AGGCTCAGATGAGCAAGATTAATCTATCTTCAAGAGCATATTTAGAGTTGGGAAATA 1140
Db 1103 AGGCTCAGATGAGCAAGATTAATCTATCTTCAAGAGCATATTTAGAGTTGGGAAATA 1162
QY 1141 ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1200
Db 1163 ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1222
QY 1201 GCATCCCAAGTCTCAGAGAGCTTCCCTGCTGTCACTGGGAGTGAAGAGAGAGAT 1260
Db 1223 GCATCCCAAGTCTCAGAGAGCTTCCCTGCTGTCACTGGGAGTGAAGAGAGAGAT 1282
QY 1261 AGTGCATGTTCTTGTCTGCTGAATTTTAAATTAATGCTGTAAATGCTGTAGGAA 1320
Db 1283 AGTGCATGTTCTTGTCTGCTGAATTTTAAATTAATGCTGTAAATGCTGTAGGAA 1342
QY 1321 GCCCTGGAAGTGTATCCCAATATCAATCTTATTTTCAAAATTAAGCTGTAGT 1380
Db 1343 GCCCTGGAAGTGTATCCCAATATCAATCTTATTTTCAAAATTAAGCTGTAGT 1402
QY 1381 ATGTAACCTTAAGAGCTGTATTTGATGATGATGATGATGATGATGATGATGATGAT 1440
Db 1403 ATGTAACCTTAAGAGCTGTATTTGATGATGATGATGATGATGATGATGATGATGAT 1462
QY 1441 AGTAATGGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500

Db 1463 AGTAATGGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1522
QY 1501 CCAACTGCAAAATGCTCAAAAGTGTGAGAAATGATGATGATGATGATGATGATGATGAT 1560
Db 1523 CCAACTGCAAAATGCTCAAAAGTGTGAGAAATGATGATGATGATGATGATGATGATGAT 1582
QY 1561 CGGGGACACCGATTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1613
Db 1583 CGGGGACACCGATTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1635

RESULT 2
US-09-404-879A-74
Sequence 74, Application US/09404879A
Patent No. 6468546
GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.462C2
CURRENT APPLICATION NUMBER: US/09/404,879A
CURRENT FILING DATE: 1999-09-24
NUMBER OF SEQ ID NOS: 393
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 74
LENGTH: 1567
TYPE: DNA
ORGANISM: Homo sapien
US-09-404-879A-74

Query Match 35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1021 ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1140
Db 1 1ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 60
QY 1081 AGGCTCAGATGAGCAAGATTAATCTATCTTCAAGAGCATATTTAGAGTTGGGAAATA 1140
Db 61 AGGCTCAGATGAGCAAGATTAATCTATCTTCAAGAGCATATTTAGAGTTGGGAAATA 120
QY 1141 ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1200
Db 121 ATTCATGAGTGAAGTGAAGTGTGTTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGT 180
QY 1201 GCATCCCAAGTCTCAGAGAGCTTCCCTGCTGTCACTGGGAGTGAAGAGAGAGAT 1260
Db 181 GCATCCCAAGTCTCAGAGAGCTTCCCTGCTGTCACTGGGAGTGAAGAGAGAGAT 240
QY 1261 AGTGCATGTTCTTGTCTGCTGAATTTTAAATTAATGCTGTAAATGCTGTAGGAA 1320
Db 241 AGTGCATGTTCTTGTCTGCTGAATTTTAAATTAATGCTGTAAATGCTGTAGGAA 300
QY 1321 GCCCTGGAAGTGTATCCCAATATCAATCTTATTTTCAAAATTAAGCTGTAGT 1380
Db 301 GCCCTGGAAGTGTATCCCAATATCAATCTTATTTTCAAAATTAAGCTGTAGT 360
QY 1381 ATGTAACCTTAAGAGCTGTATTTGATGATGATGATGATGATGATGATGATGATGAT 1440
Db 361 ATGTAACCTTAAGAGCTGTATTTGATGATGATGATGATGATGATGATGATGATGAT 420
QY 1441 AGTAATGGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
Db 421 AGTAATGGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480
QY 1501 CCAACTGCAAAATGCTCAAAAGTGTGAGAAATGATGATGATGATGATGATGATGATGAT 1560
Db 481 CCAACTGCAAAATGCTCAAAAGTGTGAGAAATGATGATGATGATGATGATGATGATGAT 540

QY 61 DKLSDIVIQWKEGVGLVHEFEKQDELSEODEMFRGRTAVFADQVIVGNASIRLNKV 120
 DB 61 DKLSDIVIQWKEGVGLVHEFEKQDELSEODEMFRGRTAVFADQVIVGNASIRLNKV 120
 QY 121 QLTDACTYKCYITTSKKGANLEKYTGAFSPMEVVDVNASSETLRCEAPRPFQPTVV 180
 DB 121 QLTDACTYKCYITTSKKGANLEKYTGAFSPMEVVDVNASSETLRCEAPRPFQPTVV 180
 QY 181 WASQVDQGANFSEVSNISFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKY 240
 DB 181 WASQVDQGANFSEVSNISFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKY 240
 QY 241 TSEIKRRSHLQILNSKASLCVSSFFPAISWALLPLSPYIMLK 282
 DB 241 TSEIKRRSHLQILNSKASLCVSSFFPAISWALLPLSPYIMLK 282

RESULT 2
 AAB12557
 ID AAB12557 standard; protein; 282 AA.
 AC AAB12557;
 XX
 DT 07-NOV-2000 (first entry)
 DE Human ovarian carcinoma antigen OSE protein SEQ ID NO:393;
 XX
 KM Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
 XX tumour antigen; identification; cytostatic; gene therapy; vaccine.
 OS Homo sapiens.
 XX
 PN WO200036107-A2.
 XX
 PD 22-JUN-2000.
 XX
 PF 17-DEC-1999; 99WO-US030270.
 XX
 PR 17-DEC-1998; 98US-00215681.
 XX 17-DEC-1998; 98US-00216003.
 PR 23-JUN-1999; 99US-00338933.
 PR 24-SEP-1999; 99US-00404879.
 XX
 PA (COR-) CORIXA CORP.
 XX
 PI Mitcham JL, King GE, Algate PA, Frudakis TN;
 XX
 DR WPI; 2000-431589/37.
 XX
 PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
 PT encoding it, useful for the diagnosis, prevention and treatment of
 PT cancer, preferably ovarian cancer.
 XX
 PS Example 2; Page 207; 299pp; English.
 XX
 XX The present invention describes an isolated polypeptide comprising an
 CC immunogenic portion of an ovarian carcinoma protein (or its variants).
 CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
 CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian
 CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
 CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
 CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
 CC ovarian carcinoma polynucleotides and proteins used in the
 CC exemplification of the present invention
 CC
 XX Sequence 282 AA;
 SQ

Query/Match: 100.0%; Score 1431; DB 3; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 MASIGQILFWSTIIITIIILGATALLIGFISGRHSITVITVASAGNIGEDDILSTTFEP 60
 QY 61 DKLSDIVIQWKEGVGLVHEFEKQDELSEODEMFRGRTAVFADQVIVGNASIRLNKV 120
 DB 61 DKLSDIVIQWKEGVGLVHEFEKQDELSEODEMFRGRTAVFADQVIVGNASIRLNKV 120
 QY 121 QLTDACTYKCYITTSKKGANLEKYTGAFSPMEVVDVNASSETLRCEAPRPFQPTVV 180
 DB 121 QLTDACTYKCYITTSKKGANLEKYTGAFSPMEVVDVNASSETLRCEAPRPFQPTVV 180
 QY 181 WASQVDQGANFSEVSNISFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKY 240
 DB 181 WASQVDQGANFSEVSNISFELNSENVTMKVSVLYNVNTINNTYSCMIENDIAKATGDIKY 240
 QY 241 TSEIKRRSHLQILNSKASLCVSSFFPAISWALLPLSPYIMLK 282
 DB 241 TSEIKRRSHLQILNSKASLCVSSFFPAISWALLPLSPYIMLK 282

RESULT 3
 AAU29132
 ID AAU29132 standard; protein; 282 AA.
 AC AAU29132;
 XX
 DT 18-DEC-2001 (first entry)
 DE Human PRO polypeptide sequence #109.
 XX
 KM PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 XX dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KM blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KM adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
 XX
 OS Homo sapiens.
 XX
 PN WO20016848-A2.
 XX
 PD 20-SEP-2001.
 XX
 PF 28-FEB-2001; 2001WO-US006520.
 XX
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 06-MAR-2000; 2000US-0186968P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191314P.
 PR 28-MAR-2000; 2000US-0192655P.
 PR 29-MAR-2000; 2000US-0193033P.
 PR 29-MAR-2000; 2000US-0193053P.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 04-APR-2000; 2000US-0194449P.
 PR 04-APR-2000; 2000US-0194647P.
 PR 11-APR-2000; 2000US-0195975P.
 PR 11-APR-2000; 2000US-0196000P.
 PR 11-APR-2000; 2000US-0196187P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 18-APR-2000; 2000US-0198121P.
 PR 18-APR-2000; 2000US-0198397P.
 PR 25-APR-2000; 2000US-0199357P.
 PR 25-APR-2000; 2000US-0199550P.
 PR 25-APR-2000; 2000US-0199654P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014942.
 PR

DB 181 WASQVDOGANFSEVNTSFEINSENYTMKVSVLYNVNTTNTTSCMIENDIAKATGDIKV 240

QY 241 TSEIKRRSHQLINLSKASLCVSSFPALISWALLPLSPYMLK 282

DB 241 TSEIKRRSHQLINLSKASLCVSSFPALISWALLPLSPYMLK 282

RESULT 5

AAB99204

ID AAB99204 standard; protein; 282 AA.

AC AAB99204;

XX

DT 04-SEP-2001 (first entry)

XX

DE Human ovarian tumour-derived antigen OGE #1.

XX

KM Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;

XX

KM antigen; OGE.

XX

OS Homo sapiens.

XX

PN WO200140269-A2.

XX

PD 07-JUN-2001.

XX

PF 29-NOV-2000; 2000WO-US032520.

XX

XX

PR 30-NOV-1999; 99US-00451651.

XX

PR 22-FEB-2000; 2000US-00510662.

XX

PR 10-MAR-2000; 2000US-00523586.

XX

PR 07-APR-2000; 2000US-00545068.

XX

PR 15-MAY-2000; 2000US-00571025.

XX

XX

PA (CORI-) CORIXA CORP.

XX

PI Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;

XX

DR WPI; 2001-356154/37.

XX

DR N-PSDB; AAH55681.

XX

PT Breast tumor polypeptides and the nucleic acids that encode them, useful

XX

PT for the prevention, diagnosis and treatment of breast cancer.

XX

PS Example 3; Page 190; 221pp; English.

XX

CC The present invention relates to human breast tumor protein coding

XX

CC sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-

XX

CC AAH55762). The breast tumor protein DNA sequences may be used in the

XX

CC prevention, diagnosis and treatment of diseases associated with

XX

CC inappropriate expression of the breast tumor protein e.g. breast cancer.

XX

CC The present sequence is a human ovarian tumour-derived antigen, which was

XX

XX used in an example from the present invention

XX

SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 4; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASIGQILFWSTIIITIIILAGAILIIIGFISGSHSTIVTVASAGNIGEDGILSCFEP 60

DB 1 MASIGQILFWSTIIITIIILAGAILIIIGFISGSHSTIVTVASAGNIGEDGILSCFEP 60

QY 61 DIKLSDIYIOWLKESVGLVHFEKSGKDELSEODEMFRGRTAVPADQYIVGNASLRILKNV 120

DB 61 DIKLSDIYIOWLKESVGLVHFEKSGKDELSEODEMFRGRTAVPADQYIVGNASLRILKNV 120

QY 121 QUTDAGTKCYIITTSKGGNANLEKYGAFSGNPNVNDYNASSSTILRCEDARMPPOPTVV 180

DB 121 QUTDAGTKCYIITTSKGGNANLEKYGAFSGNPNVNDYNASSSTILRCEDARMPPOPTVV 180

QY 181 WASQVDOGANFSEVNTSFEINSENYTMKVSVLYNVNTTNTTSCMIENDIAKATGDIKV 240

DB 181 WASQVDOGANFSEVNTSFEINSENYTMKVSVLYNVNTTNTTSCMIENDIAKATGDIKV 240

QY 241 TSEIKRRSHQLINLSKASLCVSSFPALISWALLPLSPYMLK 282

DB 241 TSEIKRRSHQLINLSKASLCVSSFPALISWALLPLSPYMLK 282

RESULT 6

AAB65242

ID AAB65242 standard; protein; 282 AA.

AC AAB65242;

XX

DT 02-APR-2001 (first entry)

XX

DE Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.

XX

KM Human; secreted and transmembrane protein; PRO; cytosstatic; cell death;

XX

KM cancer; chromosomal mapping; gene mapping; tissue typing;

XX

KM diagnostic assay.

XX

OS Homo sapiens.

XX

PN WO200073454-A1.

XX

PD 07-DEC-2000.

XX

PF 30-MAR-2000; 2000WO-US008439.

XX

XX

PR 02-JUN-1999; 99WO-US012252.

XX

PR 23-JUN-1999; 99US-0141037P.

XX

PR 07-JUL-1999; 99US-0143048P.

XX

PR 20-JUL-1999; 99US-0144758P.

XX

PR 26-JUL-1999; 99US-0145698P.

XX

PR 28-JUL-1999; 99US-0146222P.

XX

PR 17-AUG-1999; 99US-0149396P.

XX

PR 15-SEP-1999; 99WO-US021090.

XX

PR 15-SEP-1999; 99WO-US021547.

XX

PR 08-OCT-1999; 99US-0158663P.

XX

PR 30-NOV-1999; 99WO-US028313.

XX

PR 01-DEC-1999; 99WO-US028301.

XX

PR 16-DEC-1999; 99WO-US030095.

XX

PR 20-DEC-1999; 99WO-US030911.

XX

PR 05-JAN-2000; 2000WO-US000219.

XX

PR 06-JAN-2000; 2000WO-US000376.

XX

PR 11-FEB-2000; 2000WO-US003565.

XX

PR 18-FEB-2000; 2000WO-US004341.

XX

PR 22-FEB-2000; 2000WO-US004414.

XX

PR 24-FEB-2000; 2000WO-US005004.

XX

PR 24-FEB-2000; 2000WO-US005004.

XX

PR 02-MAR-2000; 2000WO-US005841.

XX

PR 15-MAR-2000; 2000WO-US006884.

XX

PR 20-MAR-2000; 2000WO-US007377.

XX

XX

PA (GENTH) GENENTECH INC.

XX

PI Ashkenazi AJ, Baker KP, Betstrein D, Desnoyers L, Eaton DL;

XX

PI Ferreira N, Fong S, Gerber H, Gerritsen WE, Goddard A, Godowski PJ;

XX

PI Grimaldi CJ, Gurney AL, Kijavir IV, Napier WA, Pan J, Paoni NE;

XX

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WT;

XX

PI Zhang Z;

XX

DR WPI; 2001-032160/04.

XX

DR N-PSDB; AAF44205.

XX

PT PRO polynucleotides used to produce polypeptides used to target bioactive

XX

PT molecules such as toxins, radiolabels or antibodies, to specific cells,

XX

PT to cause targeted cell death.

XX

PS Claim 12; Fig 208; 935pp; English.

XX

QY 61 DIKLSDIVIOWLKEGVGLVHEFEKEDLSEODEMFRGRTAVFADQVIYGNASRLKNV 120
 CC These are useful for detecting, diagnosing, staging, monitoring,
 CC prognosticating, in vivo imaging, preventing, treating, or determining
 CC the predisposition of an individual to diseases and conditions of the
 CC breast, such as breast cancer. Also provided are antibodies which
 CC specifically bind to BS265 proteins, and agonists or inhibitors which
 CC prevent action of the proteins, and which are useful for treatment of
 CC breast disease, especially tumours and metastases

DB 61 DIKLSDIVIOWLKEGVGLVHEFEKEDLSEODEMFRGRTAVFADQVIYGNASRLKNV 120
 QY 121 QLTDAQTYKCYIITTSKKGANLEKYTGAFSPMEVAVDYNASSETLRCEAPRMPQPTVV 180
 DB 121 QLTDAQTYKCYIITTSKKGANLEKYTGAFSPMEVAVDYNASSETLRCEAPRMPQPTVV 180
 QY 181 WASQVDOGANFSEVSNTPSEINSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNTPSEINSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TSESEIKRSHLQILNSKASLQVSSFPFALISWALLPLSPYLMK 282
 DB 241 TSESEIKRSHLQILNSKASLQVSSFPFALISWALLPLSPYLMK 282

RESULT 13
 ABB76274
 ID ABB76274 standard; protein; 282 AA.
 AC ABB76274;
 DT 12-AUG-2002 (first entry)
 DE Breast BS265 polypeptide.
 KW BS265; human; breast; cancer; tumour; metastasis; diagnosis;
 KW gene therapy.
 OS Homo sapiens.
 PN US2002034749-A1.
 XX 21-MAR-2002.
 PD 07-MAY-2001; 2001US-00850178.
 PF 18-NOV-1997; 97US-00972376.
 PR 18-NOV-1998; 98US-00193944.
 XX (BILL/) BILLINGEL P A.
 PA (COHE/) COHEN M.
 PA (COBP/) COBITTS T L.
 PA (FRLE/) FRIEDMAN P N.
 PA (GORD/) GORDON J.
 PA (GRAN/) GRANADOS E N.
 PA (HODG/) HODGES S C.
 PA (KLAS/) KLAS M R.
 PA (KRAT/) KRATOCHVIL J D.
 PA (ROBE/) ROBERTS-RAPP L A.
 PA (RUSSE/) RUSSELL J C.
 PA (STRO/) STROUPE S D.
 XX Billingsel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J,
 PI Granados EN, Hodges SC, Kلاس MR, Kratochvil JD, Roberts-Rapp LA,
 PI Russell JC, Stroupe SD;
 DR WPI, 2002-403712/43.
 DR N-PSDB; ABL57354.
 XX New BS265 proteins and nucleic acids, useful for detecting, diagnosing,
 PT staging, monitoring, prognosticating, in vivo imaging, preventing,
 PT treating, or determining the predisposition of an individual to breast
 PT cancer.
 XX Claim 54; Page 45-46; 52pp; English.
 XX The present sequence is the protein sequence of human breast BS265
 CC protein, as predicted from a BS265 expressed sequence tag clone (see
 CC ABL57354). The invention provides a set of contiguous and partially
 CC overlapping cDNA sequences (see ABL57345-63), designated as BS265 and

CC transcribed from breast tissue, and the polypeptides encoded by them.
 CC These are useful for detecting, diagnosing, staging, monitoring,
 CC prognosticating, in vivo imaging, preventing, treating, or determining
 CC the predisposition of an individual to diseases and conditions of the
 CC breast, such as breast cancer. Also provided are antibodies which
 CC specifically bind to BS265 proteins, and agonists or inhibitors which
 CC prevent action of the proteins, and which are useful for treatment of
 CC breast disease, especially tumours and metastases

CC 1 MASIGQLFMSIISIIIIAGALALIIIGFISGRHSITVTVASAGNIGEDGILCTFEP 60
 DB 1 MASIGQLFMSIISIIIIAGALALIIIGFISGRHSITVTVASAGNIGEDGILCTFEP 60
 QY 61 DIKLSDIVIOWLKEGVGLVHEFEKEDLSEODEMFRGRTAVFADQVIYGNASRLKNV 120
 DB 61 DIKLSDIVIOWLKEGVGLVHEFEKEDLSEODEMFRGRTAVFADQVIYGNASRLKNV 120
 QY 121 QLTDAQTYKCYIITTSKKGANLEKYTGAFSPMEVAVDYNASSETLRCEAPRMPQPTVV 180
 DB 121 QLTDAQTYKCYIITTSKKGANLEKYTGAFSPMEVAVDYNASSETLRCEAPRMPQPTVV 180
 QY 181 WASQVDOGANFSEVSNTPSEINSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 DB 181 WASQVDOGANFSEVSNTPSEINSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TSESEIKRSHLQILNSKASLQVSSFPFALISWALLPLSPYLMK 282
 DB 241 TSESEIKRSHLQILNSKASLQVSSFPFALISWALLPLSPYLMK 282

RESULT 14
 ABL57354
 ID ABL57354 standard; protein; 282 AA.
 AC ABL57354;
 DT 07-MAY-2002 (first entry)
 DE Human B7-like protein (B7-L).
 KW Human, B7-like protein; B7-L; reproductive disorder; autoimmune disease;
 KW proliferative disorder; infertility; hyperplasia; cancer; lung; breast;
 KW brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus;
 KW rheumatoid arthritis; systemic lupus erythematosus; toxic shock syndrome;
 KW inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine;
 KW Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity;
 KW nephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological;
 KW myasthenia gravis; anaemia; lymphoproliferative disorder; neuroprotective;
 KW cytoskeletal; multiple myeloma; tissue-degenerating disease; nephrotropic;
 KW immunosuppressive; asthma; vitruicide; gene therapy.
 OS Homo sapiens.
 PH Key Location/Qualifiers
 FT Peptide 1..24
 FT /label= Signal_peptide
 FT Protein 25..282
 FT /label= Human_mature_B7-L_protein
 PN W0200202624-A2.
 PD 10-JAN-2002.
 PF 29-JUN-2001; 2001WO-US021297.
 PR 30-JUN-2000; 2000US-0215645P.

(AMGE-) AMGEN INC.
 Fox M, Sullivan JK, Fang M;
 WPI; 2002-171639/22.
 N-PSDB; AAD29253.
 Novel B7-1-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative disorders, e.g. cancer, arteriosclerosis.
 Claim 13; Fig 1A-1B; 133pp; English.
 The present invention relates to an isolated B7-1-like (B7-L) polypeptide and its polynucleotide. B7-1 and its modulators are useful for treating reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L are useful for enhancing the immune response to tumours. B7-1 plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1. Modulators of B7-1 are useful for the treatment of cancer e.g. seminal vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-1 and their modulators are useful to treat autoimmune diseases such as systemic lupus erythematosus, rheumatoid arthritis, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. Modulators of B7-L are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, arteriosclerosis and vascular restenosis. Soluble B7-L serves as vaccine adjuvants. Antagonists of B7-L are useful for alleviation of toxic shock syndrome or allergic sensitization due to blood transfusions, and for treatment of multiple sclerosis, allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies, various pneumopathies, vasculopathies, coeliac disease, anaemia, thrombocytopenia, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. B7-L gene is useful in gene therapy and to map the locations of B7-L gene and related genes on chromosomes, as hybridisation probes in diagnostic assays, for isolating corresponding chromosomal B7-L genes, and to identify heritable tissue-degenerating diseases. The present sequence is human B7-L protein

Sequence 282 AA;
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3,9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MASLGGILFMSITISIIIIAGAILIIGFGISGRHSITVTVAAGNIGEDGILSCFEP 60
 1 MASLGGILFMSITISIIIIAGAILIIGFGISGRHSITVTVAAGNIGEDGILSCFEP 60
 61 DIKLSIDIVITWLEKGVGLVHFEKGEKDELSEFODMERGRTPADQVTVGNASLRKLV 120
 61 DIKLSIDIVITWLEKGVGLVHFEKGEKDELSEFODMERGRTPADQVTVGNASLRKLV 120
 61 DIKLSIDIVITWLEKGVGLVHFEKGEKDELSEFODMERGRTPADQVTVGNASLRKLV 120
 121 QLTDAAGTVCYITTSKKGKGNANLEKTKGAFSMEPEVNVVYNASSSETLRREARMPQPTV 180
 121 QLTDAAGTVCYITTSKKGKGNANLEKTKGAFSMEPEVNVVYNASSSETLRREARMPQPTV 180
 181 WASQVDQANFSEVNTSEFELNSENVTAKVSVLNTTNNYSQMIENDIAKATGDIK 240
 181 WASQVDQANFSEVNTSEFELNSENVTAKVSVLNTTNNYSQMIENDIAKATGDIK 240
 241 TSEIRRRSHLQNLNKSASLCVSSFFAISPMLK 282
 241 TSEIRRRSHLQNLNKSASLCVSSFFAISPMLK 282

RESULT 15
 ABB09879
 ID ABB09879 standard; protein: 282 AA.
 AC ABB09879;
 DT 30-JUN-2002 (first entry)
 DE Amino acid sequence of the ORBO gene (gene B).
 XX Human; gene A; ovarian tumour; gene B; ORBO; ovarian cancer.
 XX Homo sapiens.
 OS
 FH Key Location/Qualifiers
 FT Domain 12..31
 FT /note= "predicted transmembrane domain"
 FT Domain 46..145
 FT /note= "predicted Ig domain"
 FT Modified-site 112
 FT /note= "N-glycosylation site"
 FT Modified-site 160
 FT /note= "N-glycosylation site"
 FT Modified-site 190
 FT /note= "N-glycosylation site"
 FT Modified-site 196
 FT /note= "N-glycosylation site"
 FT Modified-site 205
 FT /note= "N-glycosylation site"
 FT Modified-site 216
 FT /note= "N-glycosylation site"
 FT Modified-site 220
 FT /note= "N-glycosylation site"
 FT
 PN WO200194641-A2.
 PD 13-DEC-2001.
 XX
 PF 11-JUN-2001; 2001WO-US018700.
 XX
 PR 09-JUN-2000; 2000US-0210451P.
 XX
 PA (IDEC-) IDEC PHARM CORP.
 XX
 PI Ople E, McLachlan K, Heard C;
 XX
 DR WPI; 2002-404365/43.
 DR N-PSDB; ABL56582.
 XX
 PT New polynucleotide and corresponding antigens from human ovarian cancer cells, useful for treatment and diagnosis of ovarian cancer.
 XX
 XX Claim 12; Fig 7b; 71pp; English.
 The present sequence represents a protein designated ORBO. The ORBO (Ople E) designated gene B. This gene was identified by representational difference analysis (RDA) screening, and is selectively expressed by certain human ovarian tumours. The specification also describes gene A, identified by the same method. Gene A and B polynucleotides are useful for detecting ovarian cancer. Their polypeptides are useful for treating ovarian cancer

Sequence 282 AA;
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3,9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MASLGGILFMSITISIIIIAGAILIIGFGISGRHSITVTVAAGNIGEDGILSCFEP 60
 1 MASLGGILFMSITISIIIIAGAILIIGFGISGRHSITVTVAAGNIGEDGILSCFEP 60

Tue Jun 1 07:51:41 2004

us-10-063-567-60.rag

Page 13

```
QY 61 D1K1SD1V1Q1M1K1G1V1G1V1H1E1F1E1K1G1D1E1S1E1D1E1M1F1R1G1T1A1V1F1A1D1Q1V1I1G1N1A1S1L1R1K1V 120
Db 61 D1K1SD1V1Q1M1K1G1V1G1V1H1E1F1E1K1G1D1E1S1E1D1E1M1F1R1G1T1A1V1F1A1D1Q1V1I1G1N1A1S1L1R1K1V 120
QY 121 Q1D1D1A1G1T1Y1K1C1Y1I1T1S1K1G1K1G1N1A1L1E1Y1K1G1A1F1S1M1P1E1V1N1D1Y1N1A1S1E1T1L1R1C1E1A1P1R1M1P1O1P1T1V 180
Db 121 Q1D1D1A1G1T1Y1K1C1Y1I1T1S1K1G1K1G1N1A1L1E1Y1K1G1A1F1S1M1P1E1V1N1D1Y1N1A1S1E1T1L1R1C1E1A1P1R1M1P1O1P1T1V 180
QY 181 W1A1S1Q1V1D1Q1A1N1F1E1S1E1V1S1N1T1S1F1E1I1N1S1E1N1V1T1M1K1V1S1V1Y1N1T1I1N1N1T1Y1S1C1M1E1N1D1A1K1A1T1G1D1I1K1V 240
Db 181 W1A1S1Q1V1D1Q1A1N1F1E1S1E1V1S1N1T1S1F1E1I1N1S1E1N1V1T1M1K1V1S1V1Y1N1T1I1N1N1T1Y1S1C1M1E1N1D1A1K1A1T1G1D1I1K1V 240
QY 241 T1E1S1E1K1R1R1S1H1Q1L1N1S1K1A1S1L1C1V1S1F1A1S1W1A1L1P1L1S1P1Y1L1M1K 282
Db 241 T1E1S1E1K1R1R1S1H1Q1L1N1S1K1A1S1L1C1V1S1F1A1S1W1A1L1P1L1S1P1Y1L1M1K 282
```

Search completed: May 28, 2004, 14:34:07
Job time : 62 secs